

GENOV, G.V.

Regional agricultural journals. Nauka i pered. op. v sel'khoz.  
no.9:62-63 8 '56. (MIRA 9:10)

.....(Agriculture--Periodicals)

GENOV, I.

~~Amoebic abscesses of the liver.~~ Khirurgiia, Sofia 10 no.12:1075-1085 1957.

1. Bulgarska oblastna bolnitsa--gr. sinidzhu--kndr Glaven lekar:

G. Mitrov.

(AMOEBIASIS, HEPATIC, case reports,

(Bul))

GELEV, I.; GENOV, I.

A case of hog cholera. Veterinarila 37 no.10:39-40 0 '60.  
(MIRA 15:4)

1. Rayonnaya veterinarnaya stantsiya, Ruse, Bolgariya.  
(Bulgaria--Hog cholera)

GENOV, I. and GELEV, I.

"A case of hog cholera."

Veterinariya, Vol. 37, No. 10, 1960, p. 39

*Bulgaria*

GENOV, Iaroslav, inzh.

Which is the best steel of alloy for instruments?  
Nauka i tekhnolozhiya no.10:18-19 0 '57.

GENOV, Ia., inzh.

Life of machines. Nauka i tekhn mladezh 14 no.2:19-21 P '62.

GENOV, IA.

"New Type of Fixture for Blade Holders in Reversible Lathes." p. 21,  
(RATIONALIZATSIIA, Vol. 4, No. 9, Sept. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.

GENOV, Il., inzh.

Plant for medical instruments and apparatus. Mashinostroene 11  
no.6:34 Je '62.



DIMITROV, D.; GENOV, I.; MALAMOV, E.; DENEV, B.

Certain results after surgical therapy of mitral stenosis in the cardiovascular ward of the VMI Clinic of Propedeutic Surgery in Sofia. Khirurgia, Sofia 14 no.2/3:189-191 '61.

1. Surdechno-sudovo otdelenie pri propedevtichnata khirurgichna klinika pri Visshia meditsinski institut, Sofia.

(MITRAL STENOSIS surg)

~~CONNOR, IV.~~  
~~SOURCE (19-1000); Given Name~~

Country: Bulgaria

Academic Degrees: Junior Scientific Collaborator

Affiliation: not indicated

Source: Sofia, Priroda, No 1, Jan/Feb 61, pp 81-82

Data: "Pseudo-Tuberculosis--. New Anthroponosis in Bulgaria."

GENOV, Iv.; RANEV, D.

Intraoperative cholangiography. Khirurgia, Sofia 14 no.9:809-813  
'61.

1. Vissh meditsinski institut, Sofia. Katedra po propedevtika na  
khirurgichnite zaboliavania. Zav. katedrata: prof. G. Kapitanov.

(CHOLANGIOGRAPHY)

GERO, J. C.

1. Technical Committee for an Effective Senate Election  
eligibility is limited to three persons, one of whom (as a member of the House) must have been elected in a general election. The House is authorized to make such other rules as may be necessary for the carrying out of the provisions of the Act, and to make such amendments as may be necessary in the Senate Act of 1935.
2. Early Terms of Senators from the District of Columbia  
not elected on the first election, and covered the election to the Central Executive Institution for District of Columbia (Senate) (Central Executive Institution) within a certain legislative period.
3. Continuation of the Educational and Intellectual Advancement of the People  
The Senate is authorized to make such amendments as may be necessary for the carrying out of the provisions of the Act, and to make such amendments as may be necessary in the Senate Act of 1935.
4. Continuation of the Educational and Intellectual Advancement of the People  
The Senate is authorized to make such amendments as may be necessary for the carrying out of the provisions of the Act, and to make such amendments as may be necessary in the Senate Act of 1935.
5. Continuation of the Educational and Intellectual Advancement of the People  
The Senate is authorized to make such amendments as may be necessary for the carrying out of the provisions of the Act, and to make such amendments as may be necessary in the Senate Act of 1935.
6. Continuation of the Educational and Intellectual Advancement of the People  
The Senate is authorized to make such amendments as may be necessary for the carrying out of the provisions of the Act, and to make such amendments as may be necessary in the Senate Act of 1935.
7. The Senate of the District of Columbia  
The Senate of the District of Columbia is authorized to make such amendments as may be necessary for the carrying out of the provisions of the Act, and to make such amendments as may be necessary in the Senate Act of 1935.
8. On the Senate and the People of the District of Columbia  
The Senate of the District of Columbia is authorized to make such amendments as may be necessary for the carrying out of the provisions of the Act, and to make such amendments as may be necessary in the Senate Act of 1935.

Series. WATERBURY. Vol. 50, No. 20, 1920.

(۱۰)

GENOV, Iv.

A case of cardiac injury. Khirurgia 15 no.7:649-651 '62.

1. Is Propedevtichnata khirurgichna klinika pri VMI [Vissh  
meditsinski institut] - Sofia.  
(HEART INJURIES)

DIMITROV, D.; GENOV, Iv....

An interesting case of adhesive pericarditis. Khirurgia 15  
no.8:772-775 '62.

1. Is Propedevtichnata khirurgichna klinika pri VMI [Vishh  
meditsinski institut] - Sofia.  
(PERICARDITIS)

DIMITROV, D.; GENOV, Iv.; IORDANOV, I.; DAVIDOV, S.; KOLEV, L., inzh.;  
ZOGRAFOV, Iv., inzh.

Preliminary data on experimental studies on extracorporeal  
circulation with our apparatus. Khirurgia 15 no.9/10:895-899  
'62.

1. Iz Katedrata po propedevtika na khirurgichnite zaboliavania  
pri VMI [Vish meditsinski institut] - Sofia.  
(HEART MECHANICAL)

STOIANOV, K., prof.; DIMITROV, D., dots.; DRAGOICHEV, Ch., dots.; GEROV, Iv.;  
MARINOVA, L.; TODOROV, B.

Use of extracorporeal circulation in the USUL Cardiovascular  
Surgery Clinic. Khirurgiia (Sofia) 16 no.9:785-792 '63.

1. Institut za spetsializatsiia i usuvurshenstvuvane na lekarite,  
klinika po surdechno-sudova khirurgiia, Sofia. Direktor: prof.  
K.Stoianov.



DIMITROV, D. doc.; GENOV, Ivan

Some clinical-morphological comparisons in mitral stenosis.  
Khirurgia (Sofia) 17 no.3:287-298 '64.

1. Institut za spetsializatsiia i usuvurshenstvuvane na lekarite,  
Sofia; katedra po bolnichna khirurgiia (Rukovoditel na katedrata;  
prof. K. Stoiianov).



Microbiology

BULGARIA

GENOV, Dr. Iv., VIZPB

"Mechanism of Action of Disinfectants on Pathogenic Microorganisms"

Sofia, Veterinara Sbirka, Vol 63, No 5/6, 1966, pp 11-14

Abstract: In experiments in which the action of a number of disinfectants on Bac. anthracis, Brucella suis, Nycob. tuberculosis, and BCG was studied, a correlation between antibacterial action of the disinfectants and their suppression of dehydrogenase activity of the microorganisms was established. The parallelism between the inhibition of dehydrogenase activity and bactericidal action was not complete - it varied with the nature of the disinfectant. With decreasing temperatures in the 0-37.5° range, the dehydrogenase activity decreased. The concentration of disinfectant required to suppress the dehydrogenase activity increased with decreasing temperatures in this range. In experiments with Bac. anthracis, there was complete correspondence between the bactericidal effect and inhibition of amylase activity for phenol only; all other disinfectants exerted only

1/2

GRUEV, Iv.; GANCHEV, G.; GENOV, Iv.

Complex therapy of tuberculous epididymitis. Suvrem. med.,  
Sofia 6 no.12:54-60 1955.

1. Is khirurgichata propedevticha klinika pri Visshia  
meditsinski institut V. Chervenkov-Sofia (sav. katedrata:  
prof. G. Kapitanov).

(TUBERCULOSIS, MALE GENITAL, therapy,  
epididymis. (Bul))

DIMITROV, D.; MALAMOV, E.; GENOV, Iv.; DENEV, B.

Our experience with surgical therapy of mitral stenosis. Suvrem med.,  
Sofia no.7-8:26-38 '60.

1. Iz Katedrata po propedevtika na khirurgicheskite bolesti (Rukov.  
na katedrata prof. G.Kapitanov) i Katedrata po bolnichna terapiia  
(Rukov. na katedrata prof. Al.Pukhlev)  
(MITRAL STENOSIS surg)

BULGARIA

Dr Dragomir SAVOV and Dr Ivan GENOV (affiliation not given)

"Escherichia coli Septicemia in Poultry."

Sofia, Veterinarna Shirk, Vol 59, No 10: pp 7-9.

Abstract: Escherichia coli infection in several chicken farms: serotypes O<sub>1</sub>, O<sub>2</sub>, and O<sub>78</sub>; severe clinical and histopathologic course: enteric, respiratory symptoms; also pericardial and perihepatic lesions, mortality especially high in newly-hatched chicks - up to 40%. Treatment includes general sanitation measures, often neglected while rapidly expanding poultry raising in Bulgaria during the course of the last few years; vitamin-mineral - fortified feed, antibiotics or sulfaguanidine if former not available. Epidemiologic data and experimental study in 150 chicks confirmed diagnosis. A dozen Western and a few Bulgarian authors are cited without references.

1/1

GENOV, KH.

Some organizational-technical measures for decreasing production cost in construction. p. 3. STROITELSTVO. (Ministerstvo na stroezhite) Sofiya. Vol. 1, no. 2/3, 1954

SOURCE: East European Accession Lists, (EEAL), Library of Congress  
Vol. 4, no. 12, December 1955

GENOV, Kh

Construction techniques with the use of precast reinforced-concrete parts. p. 10.

Vol. 2, no. 9, 1955

STROITELSTVO

Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 April 1956



GENOV, KH.

GENOV, KH. Construction techniques with the use of precast reinforced-concrete parts. (Conclusion) p.11.

Vol. 2, no. 12, 1955 STROITELSTVO Sofia, Bulgaria

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10  
Oct. 1956

GENOV, Krum

The service oscillograph. Radio i televizia 11 no.5:148-150  
'62.

GENOV, Krum

Wobble generator of 2 to 220 mc/s with marking system, and signal generator of 0.4 to 220 mc/s. Radio i televiziiz 12 no.5:146-150 '63.

GENOV, Kr.

Tuning of radio receivers with ultrashort-wave frequency modulation. Radio i televiziia 13 no.3:85-87 '64.

GENOV, Kr.

Sound tuning in televisions. Pt. 1. Radio y televiziia 13 no.10:  
309 '64.

GENOV, Kr.

Sound tuning in television sets. Pt.2. Radio i televiziiia 13  
no.11:338-339 '64.

GENOV, L.

Chemistry of extraction processes and their importance in  
radiochemistry. Khim i industriia 34 no.2:59-64 '62.

10.11.1.

Electrolytic dissociation in the organic phase, and its  
influence on the distribution of mineral acids between water  
and an organic dissolvent. Khim i Industriia '66 no. 2:  
43-45 '66.



GENOV, L.

Extractive properties of phosphoroorganic compounds. Pt.  
2. Godishnik khim tekhn 9 no. 3:137-144 '62 [publ. '63]

GENOV, L.

Hydration and solvation in extraction of mineral acids with organic solvents. Doklady BAN 17 no.8:713-716 '64.

1. Submitted by Academician D. Ivanov.

GENOV, L.

7 3

Ion hydration and structure of electrolyte solutions. L. Genov, *Bulgar. Akad. Nauk Izv. Khim. Inst.* 4, 251-60 (1966); cf. *C.A.* 51, 17561s. -- Integral heats of soln. for  $\text{NH}_4\text{Cl}$ ,  $\text{CaI}$ , and  $\text{NaClO}_4$  in solns. of  $\text{HCl}$  of different molarity and of  $\text{NaBr} \cdot 2\text{H}_2\text{O}$  in  $\text{HBr}$  and in  $\text{ClO}_4$  were detd. Coordination nos. calcd. for  $\text{NH}_4^+ = 4.2$ , for  $\text{Ca}^{2+} = 3.6$ , for  $\text{ClO}_4^- = 6.4$  (if  $\text{H}_2\text{O}$  mols. are considered to be perpendicular to walls of the perchlorate tetrahedron) and  $\text{ClO}_4^- = 7.3$  (if  $\text{H}_2\text{O}$  mols. are considered on the Cl-O line). Hydration nos. are:  $\text{Ca}^{2+} = 0.031$ ,  $\text{NH}_4^+ = 0.042$ . The most probable disposition of  $\text{NO}_3^-$  and  $\text{ClO}_4^-$  in dil. water solns. is discussed. A linear dependence between heat of hydration and hydration no. for a series of ions is demonstrated.

N. Beredjick.

Jw  
1/1

GENCV, I

GENCV, L Hydration of ions and structure of electrolytic solutions.

In Russian. p.23

Vol. 9, no.2, Apr./June 1956

DCKLADY  
SCIENCE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

Genov, L.

TECHNOLOGY, Penchev, P.; Genov, L. Concerning the calculation of the errors of electric-current transformers with their own magnetization. p. 23.  
Vol. 7, no. 12, Dec., 1958

GENOV, L.

"On the free electromagnetic fluctuation in a transformer with two concentric coils."

TEZHKA PROMISHLINOST, Sofia, Bulgaria, Vol. 6, no. 5, Mar. 1959

Monthly list of East Europe Accessions (EEAI) LC, Vol. 8, No. 6, <sup>Sept.</sup> ~~Jun~~ 59,  
Unclass

AUTHOR: Genov, L.

SOV/79-29-2-68/71

TITLE: A New Empirical Equation for the Radii of Ions With the Electronic Structure of an Inert Gas (Novoye empiricheskoye uravneniye dlya radiusov ionov s elektronnoy strukturoy blagorodnogo gaza)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 2, pp 689-691 (USSR)

ABSTRACT: The size of the effective ion radii depends on the type of bond in the crystal, on the coordination number of the crystalline structure and on the chemical nature of the ions, surrounding the ion to be investigated. With one and the same type of bond and the same coordination number, the dimensions of the ion radii are rather constant and do not depend on the other components of the bond. As an approximation the distance between the ions in crystals is equal to the sum of the radii ( $d = r_k + r_a$ ). Besides the semiempirical calculation methods (Refs 1-4) also full empirical equations were set up, connecting the ion radii to any physico-chemical constant, most frequently to the order number of the element (Refs 5-8). The ion radius according to Kapustinakiy (Ref 9) finally, appears as the function of the total sum of electrons ( $m$ ) in the ion and of its valency ( $\gamma$ ).

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SOV/79-29-2-68/71

A New Empirical Equation for the Radii of the Ions With the Electronic Structure of an Inert Gas

The suggested formula  $r = \frac{1 \text{ gm}}{\eta^{1/3}}$  refers to cations only with 8 elec-

trons in the external layer. In the present paper the author wants to stress the fact that Kapustinskiy's equation is only a partial case of the more marked general empirical equation  $r = a + klgZ$ , where  $k$  denotes the constant,  $a$  the function of the ion valency,  $Z$  the order number of the element. The coefficient  $k \cdot 1$  (more precisely 0.95) may be assumed for the cations. Quantity  $a$  is the function of the cation valency. The same equation may be considered as being  $r = k(a' + l g Z)$ , where  $a' = \frac{a}{k}$ . This new constant simply depends on the valency of the cation, i.e.  $a' = \frac{1 \cdot n}{4}$ , where  $n$  denotes the ion valency.

Regarding the anions,  $k$  is no constant value but the function of the anion valency. The values of the radii of the individual ions calculated by means of the above equation are shown in the table and are compared to the empirical radii according to Goldschmidt, V. (Ref 1), Pauling, P. (Ref 3) and Kapustinskiy (Ref 9). Apart from the elements of the fourth period (with 18 electrons) the results obtained for the other elements are in good agreement with

Card 2/3



SOV/79-29-2-68/71

A New Empirical Equation for the Radii of Ions With the Electronic Structure of  
an Inert Gas

Goldschmidt's empirical radii.- There are 1 table and 15 references,  
6 of which are Soviet.

ASSOCIATION: Khimiko-tehnologicheskii institut, Sofiya  
(Sofiya, Chemico-technological Institute)

SUBMITTED: August 12, 1958

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9,3210  
AUTHOR:

Genov, Lyudmil, Engineer

68711

S/105/60/000/03/010/023  
B007/B008

TITLE:

Free Oscillations in a Coil

PERIODICAL:

Elektrichestvo, 1960, Nr 3, pp 55 - 59 (USSR)

ABSTRACT:

A survey of the available publications is given here first. The papers by K. W. Wagner (Ref 1), L. Blume and A. Boyajian (Ref 2), L. V. Byuley (Ref 3), V. A. Karasev (Ref 4), B. Heller, I. Hlavka, and A. Veverka (Ref 5), I. Pirenae (Ref 6), B. Heller and A. Veverka (Ref 7), and V. A. Karasev and A. V. Sklyanin (Ref 8) are mentioned. The magnetic field of the coil and the free oscillations in coils with earthed neutral conductor are investigated here. The formula for the computation of the frequency of free oscillations in a coil with a steel core is derived. The computation of the frequency of natural oscillations in a coil with earthed neutral conductor and in a coil with insulated neutral conductor is then shown. The mutual induction between the coil windings is computed analytically, Maxwell's equations being applied. The distribution of

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03711

Free Oscillations in a Coil

S/105/60/000/03/010/023  
B007/B008

the current along the length of the coil is taken into consideration for the computation of the magnetic field in the core window. The formula given here for the computation of the frequency of free oscillations in the coil changes over to the formula by L. Blume - A. Boyajian - L. V. Byuley in the case of high harmonics. There are 4 figures, 1 table, and 8 references, 3 of which are Soviet.

ASSOCIATION: Institut energetiki Bolgarskoy Akademii nauk (Institute of Power Engineering of the Bulgarian Academy of Sciences)

SUBMITTED: March 9, 1959

Card 2/2

LAZAROVSKI, S., inzh.; GENOV, L., inzh.

Results of measuring the parameters of lightning current. Elek.  
sta. 33 no.8:49-50 Ag '62. (MIRA 15:8)

1. Institut energetiki Bolgarskoy Akademii nauk.  
(Lightning)

GENOV, Lyudmil, inzh.

Natural oscillations of transformer windings with insulated neutral lines. Elektrichestvo no.7:13-19 JI '62. (MIRA 15:7)

1. Institut energetiki AN Bolgarii.  
(Electric transformers—Windings)

GENOV, Liudmil

The wave processes in transformer coils. Izv. Inst energ BAW 3:4-38  
'62.

LAZAROVSKI, Stefan, inzh.; GEN(V, Liudmil

Studies on the coefficients of lightning currents. Izv Inst energ  
BAN 3:61-90 '62.

1. Chlen na Redaktsionnata kolegiia, "Izvestiia na Instituta  
po energetika" (for Lazarovski).

GENOV, L., inzh.

Natural frequencies of transformer windings. Mashinostroene 12  
no.1:20-22 Ja '63.

1. Nauchnoissledovatel'ski institut po elektrifikatsiia i  
elektropromishlennost.



GENOV, L., inzh., GUGOV, P., inzh., DICHEV, Iv., inzh.

Results of an analytic study of pulse overvoltages in  
the 110 kv power transformers built at the V.Kolarov  
High-Voltage Plant. Mashinostroene 12 no.10:12-16 0'63.

1. Nauchnoizsledovatel'ski institut po energetika.

S/020/61/140/001/020/024  
B127/B101

AUTHORS: Genov, L. Kh., Nesmeyanov, An. N., and Priselkov, Yu. A.

TITLE: Measurement of thallium vapor pressure with radioactive indicators

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 140, no. 1, 1961, 159 - 161

TEXT: The authors measured the vapor pressure of liquid and solid thallium in wide temperature intervals since the results published so far were conflicting. The authors used the methods of Knudsen and Langmuir with introduction of the radioactive isotope  $Tl^{204}$  and a special device described by them in Ref. 7: Yu. A. Priselkov, A. V. Tseplyayeva, K. I. Smirnov. Pribor dlya izmereniya davleniya nasyshchennogo para metodom effuzii (Apparatus for measuring the saturated vapor pressure by the effusion method), Izd. fil. VINITI, tema 39, No. II-58-95/6, 1958. The temperatures in the device were measured with a  $^{54}Cr-Al$  thermocouple connected to a TMC-48 (PMS-48) potentiometer. The error in temperature measurement due to heat loss was neglected. The specific activity of the thallium used was 2mcu/g, which did not influence the results.  $Tl^{204}$

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Measurement of thallium...

S/020/61/140/001/020/024  
B127/B101

contained no radioactive impurities. The rate of evaporation was determined from the radioactivity of the condensed vapor leached out with nitric acid. The solution was neutralized with ammonia, heated up to 60 - 70°C, and quantitatively precipitated with  $K_2Cr_2O_7$  as thallium chromate. The radioactivity of the dried filtrate was measured with an end-window counter. The vapor pressure  $P$  was determined from the equation  $\log P = 17.14 - G \sqrt{T/M}$  (1), where  $M$  is the molecular weight of vapor, and  $G$  is the effusion rate as determined from the equation:  $G = g/\tau K\sigma$ , where  $g$  is the quantity of evaporated substance;  $\tau$  is the exposure;  $\sigma$  is the surface of the effusion orifice; and  $K$  is Clausing's factor. The results given in Table 1 were obtained from experiments (1-19) with different effusion orifices and by the method of evaporation with a free surface (experiments 20-29). The results agree with the equation  $\log P = 8.0871 - 8899.4/T$  obtained by the method of least squares. It is assumed that the condensation coefficient of liquid and solid thallium is close to unity. This factor depends on the state of the gaseous phase, on the energy state of the surface, and on the presence of an oxide film on this surface. On the other hand, it is shown indirectly that thallium vapor

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Measurement of thallium...

S/020/61/140/001/020/024  
B127/B101

is atomic. The mean evaporation heat of thallium between 519 and 924°K is 40.72 kcal/mole. The authors used L. V. Gurvich's equation  $R \ln P = \Phi_g^* - \Phi_{kr}^* - \Delta H_0^0/T$  (ZhFKh, 34, 217 (1960)) to calculate  $\Delta H_0^0$ .

There are 1 figure, 1 table, and 12 references: 7 Soviet and 5 non-Soviet. The reference to English-language publication reads as follows: F. F. Collemann, A. Egerton, Phil. Trans., A 234, 177 (1934).

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov), Sofiya Institute of Chemical Technology, Bulgaria

PRESENTED: April 6, 1961, by V. I. Spitsyn, Academician

SUBMITTED: March 29, 1961

Table 1. Vapor pressure of thallium

Legend: (1) number of experiment, (2) sec, (3) g, (4) g/cm<sup>2</sup>·sec, (5) mm Hg, (6) kcal/mole.

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S/189/62/000/005/002/006  
D204/D307

AUTHORS: Genov, L. Kh., Nesmeyanov, A. N., and  
Priselkov, Yu. A.

TITLE: The rate of evaporation of thallium selenide  
(TlSe)

PERIODICAL: Moscow. Universitet. Vestnik. Seriya II,  
Khimiya, no. 5, 1962; 34-35

TEXT: The above was measured between  $\sim 430$  and  $570^{\circ}\text{K}$ , on  
TlSe made by reacting equivalent amounts of Tl (containing  
Tl<sup>204</sup>) and Se in a sealed quartz tube, at  $400^{\circ}\text{C}$  over 24 hours.  
The vapor pressure  $P$  was measured on an apparatus described  
earlier by the authors (Ref. 2: Dokl. AN SSSR, 140, No. 1, 159,  
1961) determining the amount of condensate by the quantity of  
Tl<sup>204</sup> and calculating the rate of evaporation,  $P$ , and heat of  
sublimation  $\Delta H_T$  by methods described in the same, earlier



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The rate of...

S/189/62/000/005/002/006  
D204/D307

work. It was assumed that the vapor consisted of an equivolar mixture of  $Tl_2Se$  and  $Tl_2Se_3$ . The vapor pressure was determined by (1) the effusion method (effective surface of aperture =  $7.82 \times 10^{-4} \text{ cm}^2$ ), and (2) the evaporation from an open surface (area =  $1.68 \text{ cm}^2$ ). From the results, the relationships (1)  $\log P = 9.9638 - \frac{7384.6}{T}$  ( $\Delta H_T = 33.56 \text{ kcal/mol}$ ), and (2)  $\log P = 11.3501 - \frac{8613.3}{T}$  ( $\Delta H_T = 39.41 \text{ kcal/mol}$ ) were developed. The results are not in agreement with those of M. G. Shakhtakhtinskiy and A. A. Kuliyeu (Ref. 3: Fizika metallov i metallovedeniya, IX, No. 2, 202, 1960) and indicate that the coefficient of evaporation is not equal to unity. There is 1. table. ✓

ASSOCIATION: Kafedra radiokhimii (Department of Radio-chemistry)

SUBMITTED: March 27, 1961

Card 2/2

GENOV, K.

"Compressed Air in Connection With Mineworkers' Health", P. 10, (MINNO  
DELO, Vol. 9, No. 1, Jan. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1,  
Jan. 1955, Uncl.

GENOV, P.

"With Members of Cooperatives in Ruzhevo Konare." p. 11,  
(KOOPELATIVNO ZEMEDELIE, Vol. 9, No. 12, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, 1955, Uncl.



GENOV, St., inzh.; DACHEV, Al., inzh

Selecting the winding connection of three-phase distribution transformers. Mashinostroena 10 no.10:6-9 0 '61.

1. Mashino-elektrotekhnicheski institut, Sofia(for Genov). 2. Silnotokov zavod V. Kolarov, Sofia (for Dachev).

KIULOVSKI, P. inzh.; GENOV, St. inzh.; KUKUSHLEV, Khr. inzh.

The effect of the prices of basic materials on determining the size of oil transformers. Mashinostroene 10 no.11:30-34, '61.

GENOV, T.

Cysticeroid *Parieterotaenia paradoxa* Rudolphi, 1802 (Dilepididae  
Fuhrmann, 1907) found in *Allolobophora caliginosa* (Sav.) f. *trapezoides*  
(A.Dug.) (Lumbricidae). Zool. zhur. 42 no.10:1578-1579 '63.  
(MIRA 16:12)

I. G. Dimitrov Agricultural Institute, Bulgaria, Sofia.

GENOV, Todor

Helminthofauna of muskrats (*Ondatra zibethica* L.) in Dobruja.  
Izv khelmin lab BAN 9:97-115 '64.

GRACV, 7.

The Geneva spirit is alive! p. 1.  
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SOURCE: East European Accessions List, (EEAL,, Library of Congress, Vol. 5, no. 12, December 1956



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Sofia. Vol. 5, no. 6, 1956

SOURCE: East European Acquisitions List, (EEAL), Library of  
Congress, Vol. 5, no. 12, December 1956

GEN. V, T.

International conference on cultivation of beets and sugar  
production. p.48. LEKA PROMISHLENOST. (Minist-rstvo na lekata i  
khranitelnata promishlenost) Sofia. Vol. 5, no. 6, 1956

SOURCE: East European Accessions List, (EEAL), Library of  
Congress, Vol. 5, no. 12, December 1956

GENOV, Tsv.

~~Source (in caps); Given Names~~

Country: Bulgaria

Academic Degrees: not indicated

Affiliation: Teacher at Public School 7, Sofia

Source: Sofia, Biologiya i Khimiya, No 2, 1961, pp 36-40

Data: "Annual Review of the 7th Class (7th Grade ) Material  
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Iv.Mitkov, V.Nikiforov, and N.Marekov. Reviewed by Tsv. Genov.  
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Parasitology

BULGARIA

DIMITROVA, E., GENOV, T., Central Helminthological Laboratory, Bulgarian Academy of Sciences

"New Intermediate Hosts of Spirurates in Pigs"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 12, 1966, pp 1215-1217

Abstract: /English article/ The paper summarizes earlier findings and recent results concerning infestation of 1957 specimens of Coprophagous beetles with larvae of spirurates in pigs. A comprehensive statistical table lists 25 species of intermediate hosts. References: 4 Bulgarian, 3 Soviet, and 3 Western. (Manuscript received, 27 Jul 66.)

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Etiology of chronic colitis; preliminary communication. Suvrem.  
med., Sofia 5 no.9:85-91 1954.

1. Iz Klinikata po gastro-eterologija pri ISUL. Direktor: prof.  
T.Tashev, RLEM. Direktor: Vl.Kalaidshiev i RIMP. Direktor:  
Dreiski.

(COLITIS, etiology and pathogenesis,)



GRACV, V.

GRACV, V. Spinning of hemp. p. 37.

Vol. 5, No. 5, Sept./Oct. 1956.

TEKHNIKA.

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

VULCHEV, Iliia G., inzh.; GENOV, Zaprian, inzh.

Modern methods for constructing, testing and standardizing wooden packaging material. Ratsionalizatsiia 11 no.8:30-36 '61.

1. Nauchnoizsledovatel'ski institut po durvoobrabptvashta i mebelna promishlenost.

(Packaging) (Standardization)

GENOV, Zaprian, inzh.

Some basic principles in the standardisation of wood packaging articles. Ratsionalizatsiia no.6:28-32 '62.

CHEN, G. J. "MASTAN", 1.

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Unclassified

KONSTANTINOV, M.S.; TOPENCHAROV, V.V.; GENOVA, P.I.

Reduction of the mechanisms with space motion through the  
equivalent point systems. Godishnik mash elekt 7 no.1:81-84  
'60. (publ. '61)

KONSTANTINOV, M.S.; TOPENCHAROV, V.V.; GENOVA, P.I.

Kinematic invariants of space motion of the solids. Godishnik  
mash elekt 9:23-25 '61. [publ. '62]

KONSTANTINOV, M.S.; GENOVA, P.I.; TOPENCHAROV, V.V.

System of concentrated masses, dynamically equivalent to a solid body in plane motion. Godishnik mash elekt 9:45-50 '61.  
[publ. '62]

KONSTANTINOV, M.S.; GENOVA, P.I.; TOPENCHAROV, V.V.

On the acceleration distribution in the most general motion of a solid in space. Godishnik mash elekt 10 no.1:95-103 '61 (publ. '62).



GENOVSKI, Mikhail, prof. d-r

How we founded the Union of Scientific Workers of Bulgaria.  
Nauch zhivot 7 no.4:8 Q-D '64.

GENRIKH, A Sh.

PHASE I BOOK EXPLOITATION

SOV/4295

Karandeyev, Konstantyn Borysovykh, and Henrykh Abramovych Shtamberher  
(Karandeyev, Konstantin Borisovich, and Genrikh Abramovich Shtamberger)  
Kvazirivnovazheni mosty zminnoho strumu (Quasi-Balanced Alternating Current  
Bridges) Kyiv, Vyd-vo AN URSR, 1960. 184 p. 1,000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrayins'koyi RSR. Instytut mashynoznavstva  
ta avtomatyky.

Ed.: V.P. Sihors'kyi, Candidate of Technical Sciences; Ed. of Publishing House:  
I.F. Shtul'man; Tech. Ed.: O.O. Kadashevych.

PURPOSE: This monograph is intended for engineers and scientific workers engaged  
in the study of electrical measurements and automation. It may also be used  
by students and aspirants in corresponding specialities.

Ukrainian  
COVERAGE: This book deals with the problems of design and analysis of special  
alternating-current bridge circuits (quasi-balanced), exceptionally simple in  
their use and designed for measuring alternating current. The principle defini-  
tions of measured parameters are described, and a brief review of existing  
methods of measurements is given. General equations of the bridge circuit are  
analyzed, and conditions are established for various independent measurements

Card 1/5

USSR / Farm Animals. Honey Bee

Q-7

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12200

Author : Genrikh V. G.

Inst :

Title : The Influence of the Mother-Bee on the Flight and  
Hive Activity of Bees (Vliyaniye matki na letnuyu  
i ul'yevuyu deyatel'nost' pchel)

Orig Pub: Pchelovodstvo, 1957, No 5, 8-12

Abstract: From tests carried out on 8 families (4 experimental  
and 4 control ones), it was established that taking  
out the mother-bee from the hive disturbs the flight  
and hive activity of the bees. In the test families,  
the intensity of the bee flights decreased by 77.4%;  
the load of the honey ingluvies of the bee - by 62.5%;  
the number of incoming bees with "pollen baskets" -  
by 73.2%; the weight of the pollen basket brought

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*GENRIKHS DORF, N.G.*

PORTNOY, N.D.; KONDRATOVICH, V.V.; RABKIN, D.M.; ZVONKOV, M.L.; BOVIN, A.I.;  
GENRIKHS DORF, N.G.; OLESHKOV, Yu.V.; SHASKIN, A.Ya.; KREMERMAN, P.L.;  
KHODZHAYEV, A.I.; PISAREVSKIY, M.S.

Automatic welding of aluminum alloy products instead of manual arc  
welding with a carbon electrode. Suggestion by N.D.Portnoi and others.  
From.energ.11 no.4:21-22 Ap '56. (MIRA 9:7)  
(Aluminum alloys--Welding)

BLINOV, I.S.; GEMRIKHSN, V.D., redaktor; KAMEVSKAYA, M.D., redaktor;  
STUDENetskAYA, V.A., redaktor.

[Manual for the technologist in the machine shop of a ship repair  
factory] Spravochnik tekhnologa mekhanicheskogo tsekha sudoremontnogo  
zavoda. Izd.2., perer. i dop. Moskva, Gos. izd-vo vodnogo transporta.  
1953. 428 p. (MLRA 7:6)  
(Ships—Maintenance and repair)

GENRIKHSEN, Ye., mekhanik

Casting small parts for ship equipment in conditions of long  
distance navigation. Mor.flot 25 no.1:29-30 Ja '65. (MIRA 18:2)

1. Teplokhod "Apsheon" Chernomorskogo parokhodstva.

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TA 11.11

GENRITSY, Georgiy Yevgen'yevich; CHURSINA, Lyudmila Fedorovna; YERIN, B.G.,  
redaktor; MAL'KOVA, N.V., tekhnicheskij redaktor

[The building of the simplest kinds of wooden bridges] Stroitel'stvo  
prosteishikh dereviannykh mostov. Moskva, Nauchno-tekhn. izd-vo  
avtotransp. lit-ry, 1956. 68 p. (MLRA 9:11)  
(Bridges, Wooden)



BURLAY, P.F.; GENRITSY, G.Ye.; SOLOMIN, A.F.; SLAVUTSKIY, A.K.,  
kand. tekhn. nauk, retsenzent; ANDRYEV, O.V., kand.  
tekhn. nauk, retsenzent; ALEKSEYEV, A.P., inzh., red.

[Reference book for workers in the construction of rural  
roads] Spravochnoe posobie stroiteliu sel'skikh dorog.  
Moskva, Izd-vo "Transport," 1964. 331 p.

(MIRA 17:5)

YEGOROV, P.; GENRITSY, G.

Road bridge across the Yenisey at Krasnoyarsk. Na stroi.Ros.  
no.12:14-15 D '61. (MIRA 16:1)

1. Nachal'nik upravleniya predpriyatiy kommunal'nogo obsluzhivaniya  
i blagoustroystva Ministerstva kommunal'nogo khozyaystva RSFSR  
(for Yegorov). 2. Glavnyy spetsialist Gosstroya RSFSR (for  
Genritsy).

(Krasnoyarsk—Bridge construction)

GENRITSY, Georgiy Yevgen'yevich; SEREGIN, I.N., red.; IVANOVSKAYA, K.M.,  
red. 1st-vz; BODANOVA, A.P., tekhn. red.

[Maintenance and repair of metal bridges] Soderzhanie i tek-  
shchii remont metallicheskih mostov. Moskva, Avtotransisdat,  
1963. 35 p. (MIRA 16:3)  
(Bridges, Iron and steel--Maintenance and repair)

YANOVSKIY, S.M., kand.med.nauk; GENS, B.P.; VARLAMOVA, P.R.

Two cases of inflammatory tumor of the large intestine caused by amebic dysentery. Med. zhur. Uzb. no.3:76 Mr '61. (MIRA 14:5)

1. Iz infektsionnogo otdeleniya Surkhandar'inskoy oblastnoy  
bol'nitsy, <sup>UzSSR.</sup>  
(INTESTINES—TUMORS) (DYSENTERY)

USACHEV, P.M.; LESIK, N.P.; OVNATANOV, G.T.; YECHEISTOV, A.I.; BELOV, V.I.;  
~~GENE, M.A.~~; MISHAKOV, V.N.

Hydraulic fracturing of strata and the underground investigation  
of fractured zones. Neft. khoz. 36 no.5:28-37 My '58. (MIRA 11:6)  
(Oil wells--Hydraulic fracturing)

DEMO, 7.

BATORIN, V.; ~~GENS~~ V.; SAVINOV, N.

Encourage rather than impede initiative. Fin.SSSR 18 no.2:57-58  
F '57. (MLRA 10:5)

1.Rabotniki Upravleniy Gosstrakha po RSFSR.  
(Insurance, Social)

GENS, V.; KURBATOV, M.

Routine of insurance inspection. Fin. SSSR 19 no.9:64-70  
S '58. (MIRA 11:10)

(Moscow--Insurance)

L 18858-63

EWI(1)/FCC(w)/BDS

AFPTC/ASD/IJP(C)

ACCESSION NR.: AT3002108

S/2910/61/001/01-/0101/0117

AUTHORS: Bolotin, A. B., Gensayte, Ye. B., Kurakevich, V. A. *6/36*

TITLE:  
molecules

Application of two-center functions in calculations of biatomic

SOURCE: AN Lit SSR. Litovskiy fizicheskiy sbornik. v.1, no.1-2, 1961, 101-117

TOPIC TAGS: wave function, single-electron wave function, two-center wave function, Schroedinger equation, biatomic, molecule, ion, H, hydrogen

ABSTRACT: This theoretical paper deals with the two-center single-electron wave functions which have been obtained by others as the result of a solution of the Schroedinger equation for the positive ion of the Hydrogen molecule. The primary task of this paper is an application of the Bates functions (Bates, D. R., et al., Roy. Soc., Proc., v. A234, 1956, 207) to the calculation of biatomic molecules for the case when the wave function of the system is constructed in the form of determinants, consisting of said functions, on the premise that a single type of equivalent electrons exists. The effective charge is determined from the condition of minimum energy of the system. The general equation is obtained for the energy of a molecule in the form of a sum of integrals of the elliptical coordinates,  $\lambda$ ,

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ACCESSION NR: AT3002108

which can be calculated by numerical integration; in a particular case, they are reduced to tabulated integrals. All ultimate equations appear in two forms: The first affords a possibility of employing Bates' tables, recomputed for suitable values of the effective charge, wherein the matrix element of the interaction operator of the electrons is determined by numerical integration. The second affords a possibility of reducing all integrals of the theory to the tabulated ones; the full employment of the Bates tables, of course, is thereby excluded. With further reference to the two possible methods for the calculation of biatomic molecules with identical nuclei by means of the two-center functions, it is noted that the first of them, that is, the method employing the tables of the parameters, the energy, and the coefficients of the Bates wave functions, conceives of the energy of a system rationally in the form of the sum of the energy of the electrons relative to the nucleus and the energy of interaction between the electrons. The first term of this sum can be calculated with the aid of Bates' tables as recomputed for suitable values of the effective charge (see above). The second term of the sum is found by numerical integration. Consequently, for the calculations undertaken, it is advisable to tabulate the integrals in terms of which the matrix elements of the interaction operator between equivalent and nonequivalent electrons can be expressed. The second method, in which the effective charge is varied for specified  $R$  and  $2\sigma$  in integers, leads to the integrals tabulated by M. Kotani et al.,

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ACCESSION NR: AT3002108

Phys. Mat. Soc. Japan, Proc., v. 20, extra no.1, 1938. This variant eliminates the employment of the Bates tables for the parameters and for the energy. The maximum accuracy of this method does not exceed the accuracy of the graphs employed. The first variant can achieve almost any desired degree of accuracy. "The authors express their cordial gratitude to M. G. Veselov and M. I. Petrashen' for their attention and valuable advices proffered in the course of this work. The authors also thank A. P. Yutsis, N. D. Sokolov, and I. B. Levinson for comments and observations on the work." Orig. art. has 90 numbered formulas.

ASSOCIATION: Vil'nyusskiy gosudarstvennyy universitet imeni V. Kapsuka-  
sa (Vilnyus State University)

SUBMITTED: 03Nov60	DATE ACQ: 23Apr63	ENCL: 00
SUB CODE: PH, MM	NO REF SOV: 001	OTHER: 008

Card 3/3

NOVIKOV, V.M., kand.veter.nauk; FORTUSHNYY, V.A., kand.veter.nauk;  
GENSEROVSKAYA, V.K., veterinarnyy vrach

Sensitivity of the pathogen of swine erysipelas to antibiotics.  
Veterinariia 41 no.7:26-27 J1 '64.

(MIRA 18:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'-  
noy veterinarii.

AUTHORS: Oreshko, V. P., Genserovskaya Z. I. SOV/75-13-4-26/29

TITLE: The Separation of Iron and Copper Cations by Paper Chromatography in the Presence of Large Amounts of Carbohydrates (Razdeleniye kationov zheleza i medi khromatografiyey na bumage v prisutstvii bol'shikh kolichestv uglevodov)

PERIODICAL: Zhurnal analiticheskoy khimii, 1958, Vol. 13, Nr 4, pp. 501-502 (USSR)

ABSTRACT: There almost exist no data in publications on the influence exerted by large amounts of organic substances on the chromatogram of organic compounds, however, this influence frequently becomes evident in the analysis of products of food industry. The authors of the present paper investigated the influence of the two carbohydrates saccharose and glucose on the chromatographic separation of the  $Fe^{3+}$  and  $Cu^{2+}$  ions. The behavior of these two cations in the chromatography in media containing no carbohydrates is known (Ref 3), as are the  $R_f$  values for  $Cu^{2+}$  and  $Fe^{3+}$  in various solvents. Glucose has a reducing effect (Ref 4), saccharose does not demonstrate this property. The separation of iron and copper was carried out in

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